

LZ series

- 105°C high temperature resistance and ripple current resistance, high reliability.
- Suitable for wave filtering return circuit for power of equipment, such as: computer.
- 105°C 耐高溫、耐紋波、高信賴度。
- 適用於電腦設備之電源濾波迴路。



LZ

SPECIFICATIONS

Items 項目	Characteristics 特性										
Capacitance Tolerance 靜電容量誤差	± 20% (120Hz, 20°C)										
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C						-25 ~ +105°C				
Rated Voltage Range 工作電壓範圍	10 ~ 250V						350 ~ 450V				
Leakage Current 洩漏電流	I ≤ 3√CV or 3000 (μA), which is greater. (After 5 minutes application of working voltage)										
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C										
	Rated Voltage (V)	10	16	25	35	50	63	80	100	160~250	350~450
	tan δ (Max)	0.45	0.40	0.35	0.30	0.25	0.25	0.20	0.20	0.15	0.20
	When the capacitance exceed 1,000μF, 0.01 shall be added every 1,000μF increase										
Low Temperature Stability 低溫特性 Impedance Ratio (Max) 阻抗比率 (最大值)	Measurement Frequency: 120Hz.										
	Rated Voltage (V)	10	16	25	35	50	63~100		160~250		350~450
	Z (-25°C) / Z (20°C)	6	6	4	4	4	4		4		8
	Z (-40°C) / Z (20°C)	16	15	10	10	8	6		15		-
Load Life 負荷壽命	2,000hours, with application of working voltage at 105°C										
	Capacitance Change	Within ± 20% of Initial Value									
	tan δ	200% or less of Initial Specified Value									
	Leakage Current	Initial Specified Value or less									
Shelf Life 放置壽命	1,000hours, no voltage applied, at 105°C 。 After Test: UR to be applied for 30 minutes, 24 to 48hours before measurement.										
	Capacitance Change	Within ± 15% of Initial Value									
	tan δ	200% or less of Initial Specified Value									
	Leakage Current	Initial Specified Value or less									
Standards 參照標準	JIS C 5101-4-1 and JIS C 5101-2										

PERMISSIBLE RIPPLE CURRENT

Temperature Coefficient

TEMP (°C)	45	60	85	105
Coefficient	2.50	2.20	1.65	1.00

Frequency Coefficient

Working Voltage (V)	Frequency (Hz)				
	50	120	1K	10K	100K
10 ~ 100	0.88	1.00	1.15	1.15	1.20
160 ~ 250	0.85	1.00	1.15	1.20	1.20
350 ~ 450	0.88	1.00	1.10	1.15	1.20

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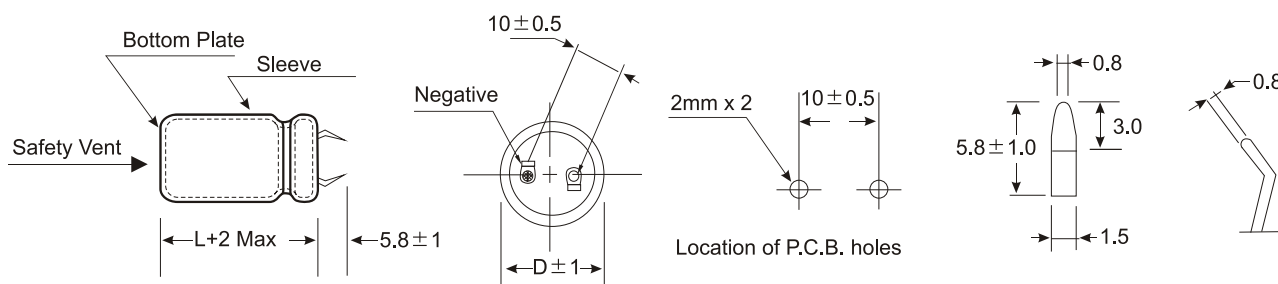
STANDARD RATINGS

DxL (mm); R.C.: (A rms) at 105°C, 120Hz; IMP: (Ω max).

Cap (μ F)	WV(V) (Code)	63 (1J)			80 (1K)			100 (2A)			160 (2C)			200 (2D)		
	Item	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP
220														22x25	0.82	0.906
270											22x25	1.04	0.738	22x30	1.07	0.738
330											22x30	1.26	0.605	22x30 25x25	1.28	0.603
390											22x30 25x25	1.29	0.514	22x35 25x30	1.31	0.512
470											22x35 25x30	1.56	0.426	22x40 25x30	1.58	0.423
560								22x25	1.02	0.476	22x40 25x30	1.69	0.357	22x45 25x35	1.72	0.356
680								22x30	1.12	0.393	22x45 25x35	1.72	0.294	25x40 30x30	1.75	0.293
820					22x25	1.04	0.326	22x30 25x25	1.32	0.324	22x50 25x40	1.99	0.246	25x50 30x35	2.04	0.245
1000					22x30	1.21	0.275	22x35 25x30	1.45	0.268	25x45 30x35	2.20	0.202	30x45 35x35	2.30	0.202
1200		25x25	1.21	0.276	22x35 25x25	1.29	0.227	22x40 25x35	1.68	0.223	30x40 35x35	2.45	0.168	30x50 35x40	2.65	0.167
1500		22x30 25x25	1.45	0.223	22x40 25x30	1.57	0.186	22x45 25x40	1.98	0.177	30x50 35x40	3.06	0.138	35x45	3.07	0.134
1800		22x35 25x30	1.59	0.187	22x45 25x35	1.72	0.155	25x45 30x35	2.23	0.148	35x45	3.14	0.112			
2200		22x40 25x30	1.84	0.158	25x40 30x30	2.01	0.133	25x50 30x40	2.53	0.123	35x50	3.50	0.093			
2700		22x45 25x35	2.12	0.126	25x45 30x35	2.32	0.099	30x45 35x35	2.82	0.098						
3300		25x40 30x30	2.30	0.102	30x40 35x30	2.62	0.086	30x50 35x40	3.32	0.081						
3900		25x45 30x35	2.42	0.087	30x45 35x35	2.84	0.070	35x45	3.62	0.068						
4700		25x50 30x40	2.91	0.075	30x50	3.29	0.068	35x50	3.80	0.058						
5600		30x45 35x35	3.18	0.060	35x45	3.82	0.048									
6800		30x50 35x40	3.54	0.050	35x50	3.92	0.038									
8200		35x45	3.82	0.042	35x50	4.05	0.033									
10000		35x50	4.50	0.033	35x55	4.85	0.027									

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DIMENSIONS (mm)



STANDARD RATINGS

DxL (mm); R.C.: (A rms) at 105°C, 120Hz; IMP: (Ω max).

Cap (μF)	WV(V) (Code)	10 (1A)			16 (1C)			25 (1E)			35 (1V)			50 (1H)		
	Item	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP
1500														22x25	1.20	0.268
1800														22x30	1.40	0.222
2200														22x30 25x25	1.60	0.182
2700											22x25	1.21	0.174	22x35 25x30	1.73	0.148
3300											22x30	1.36	0.142	22x40 25x30	1.97	0.123
3900								22x25	1.35	0.137	22x30	1.57	0.120	22x45 25x35	2.23	0.104
4700								22x30	1.58	0.114	22x35 25x25	1.77	0.098	22x50 25x40	2.45	0.086
5600								22x30 25x25	1.75	0.096	22x40 25x30	1.99	0.083	25x45 30x35	2.74	0.074
6800					22x25	1.80	0.098	22x35 25x30	2.02	0.079	22x45 25x35	2.29	0.069	30x40 35x30	3.31	0.069
8200					22x30 25x25	2.08	0.082	22x40 25x35	2.18	0.066	22x50 25x40	2.58	0.057	30x45 35x35	3.60	0.050
10000		22x25	1.88	0.077	22x35 25x30	2.15	0.062	22x45 25x40	2.48	0.058	25x45 30x35	2.90	0.054	35x40	4.02	0.046
12000		22x30 25x25	2.18	0.068	22x40 25x30	2.31	0.056	22x50 25x45	2.86	0.050	25x50 30x40	3.24	0.046	35x50	4.52	0.039
15000		22x35 25x30	2.27	0.055	22x45 25x35	2.69	0.045	25x50 30x40	3.15	0.040	30x45 35x35	3.65	0.037			
18000		22x40 25x30	2.41	0.048	22x50 25x40	3.20	0.042	30x45 35x35	3.55	0.038	35x40	4.13	0.030			
22000		22x45 25x35	2.68	0.045	25x45 30x35	3.40	0.040	30x50 35x40	4.00	0.034	35x50	4.78	0.025			
27000		25x40 30x35	3.17	0.040	30x40 35x35	3.85	0.035	35x45	4.55	0.030						
33000		25x45 30x35	3.39	0.036	30x50 35x40	4.32	0.025	35x50	5.56	0.024						
39000		25x50 30x40	3.72	0.033	35x40	4.85	0.023									
47000		30x45 35x35	4.22	0.030	35x50	5.56	0.020									
56000		35x40	5.00	0.019												
68000		35x50	5.21	0.016												

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STANDARD RATINGS

DxL (mm); R.C.: (A rms) at 105°C, 120Hz; IMP: (Ω max).

Cap (μ F)	WV(V) (Code)	250 (2E)			350 (2V)			400 (2G)			450 (2W)		
	Item	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP
68								22x25	0.52	4.880	22x35 25x30	0.55	4.880
82					22x25	0.60	3.233	22x30 22x25	0.66	4.047	22x35 25x30	0.65	4.047
100					22x30 22x25	0.69	2.654	22x35 25x25	0.72	3.318	22x40 25x30	0.75	3.318
120					22x35 25x30	0.76	2.215	22x40 25x30	0.75	2.766	22x45 25x40	0.83	2.766
150		22x25	0.76	1.328	22x40 25x30	0.79	1.770	22x45 25x35	0.89	2.214	22x50 25x40	0.95	2.214
180		22x30	0.98	1.106	22x45 25x35	0.88	1.475	22x50 25x40	0.98	1.842	25x45 30x40	1.15	1.842
220		22x30 25x25	1.09	0.905	22x50 25x40	0.98	1.208	25x45 30x35	1.12	1.506	30x45 35x40	1.24	1.506
270		22x35 25x30	1.19	0.738	25x45 30x35	1.10	0.984	25x50 30x40	1.29	1.230	30x50 35x45	1.46	1.230
330		22x40 25x35	1.35	0.605	30x40 35x35	1.22	0.806	30x45 35x35	1.45	1.015	35x50	1.65	1.015
390		22x45 25x35	1.52	0.512	30x45 35x40	1.42	0.681	30x50 35x40	1.59	0.847	35x55	1.78	0.852
470		22x50 25x40	1.63	0.425	35x45	1.62	0.567	35x45	1.75	0.710			
560		25x45 30x35	1.84	0.357	35x50	1.89	0.473	35x50	2.12	0.588			
680		25x50 30x40	2.05	0.294	35x50	2.10	0.420	35x50	2.20	0.485			
820		30x45 35x35	2.29	0.246	35x65	2.35	0.352	35x65	2.50	0.412			
1000		35x40	2.49	0.201									
1200		35x45	2.84	0.167									